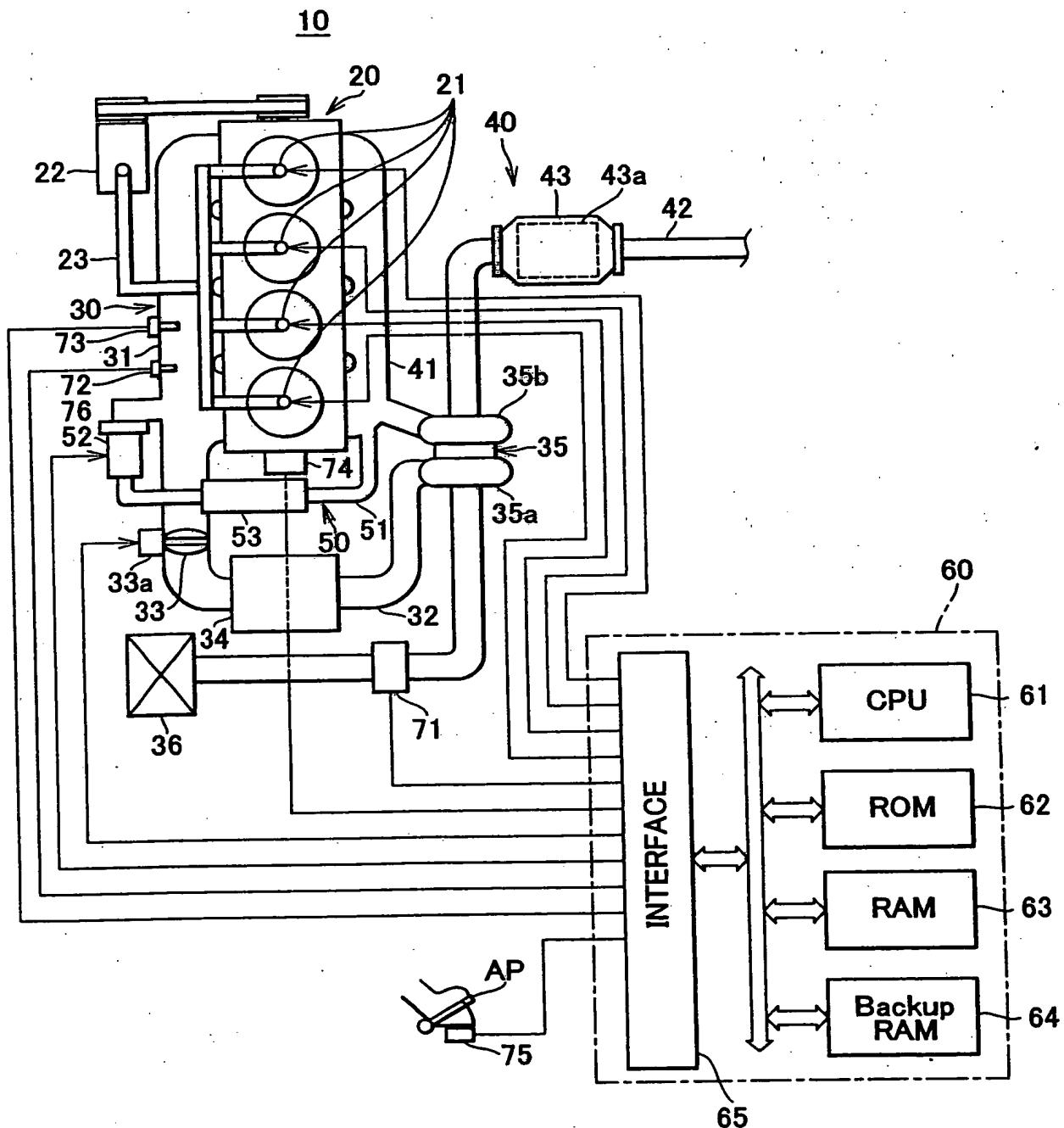
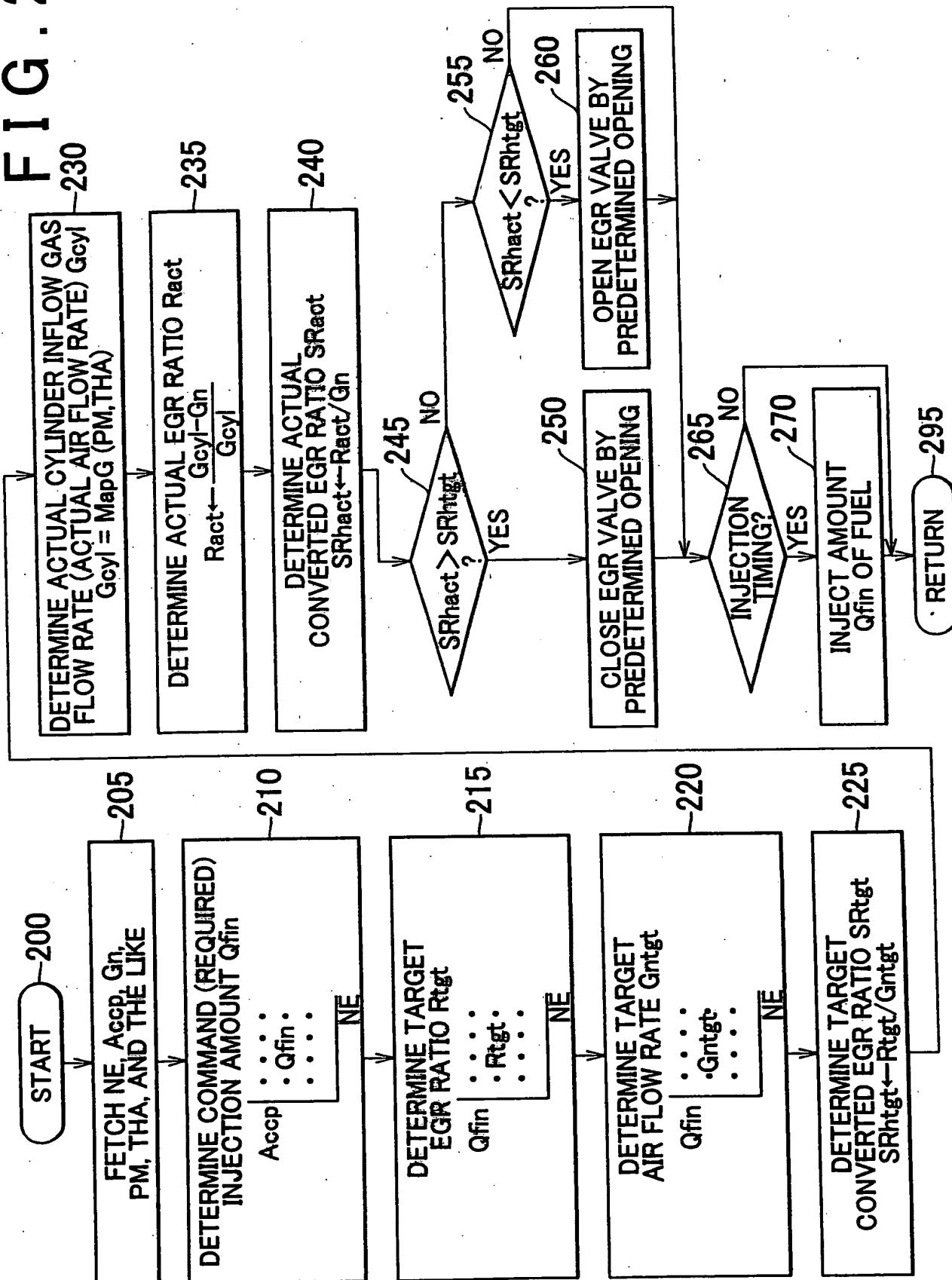


115

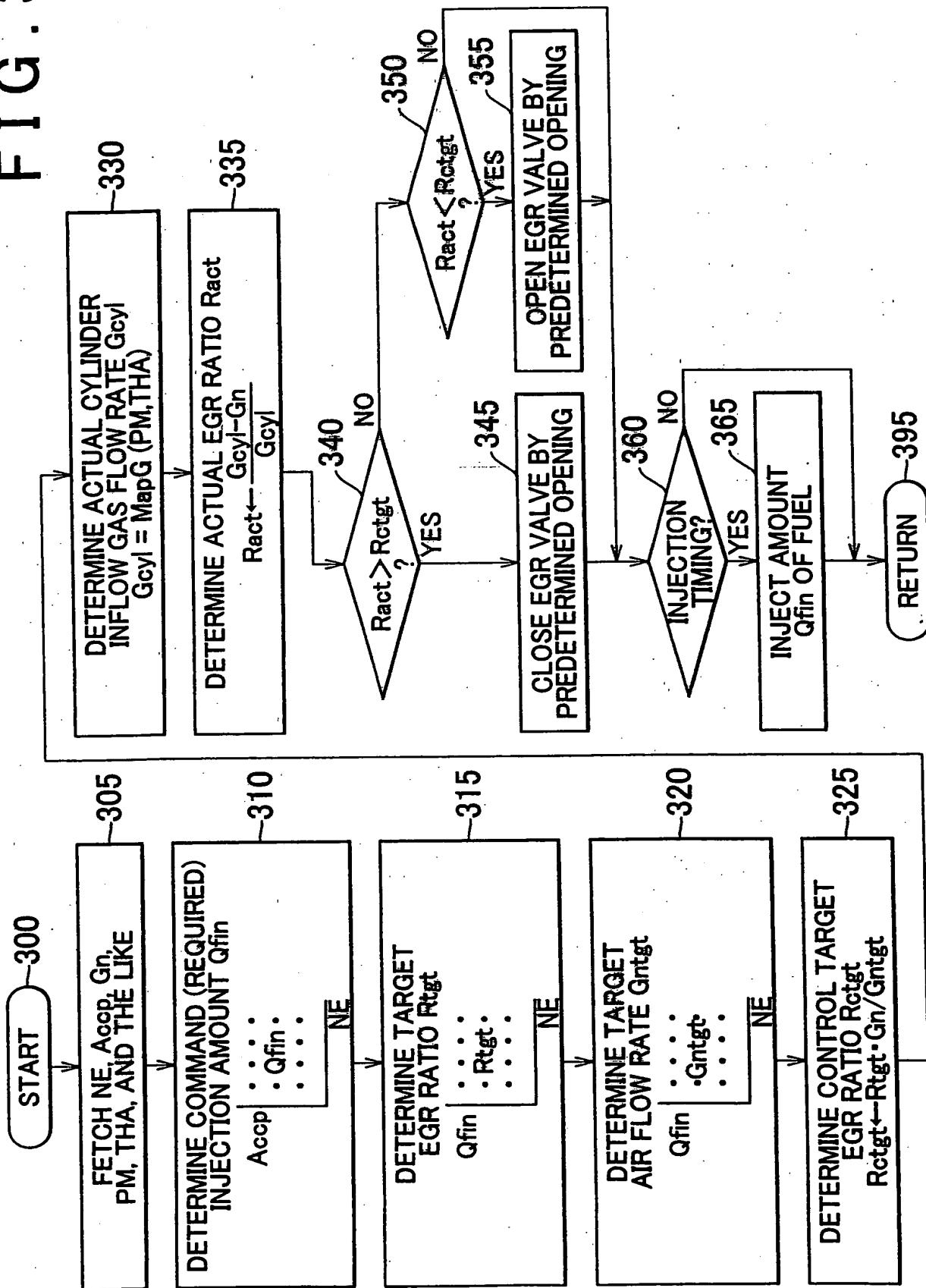
## FIG. 1



## FIG. 2



## FIG. 3

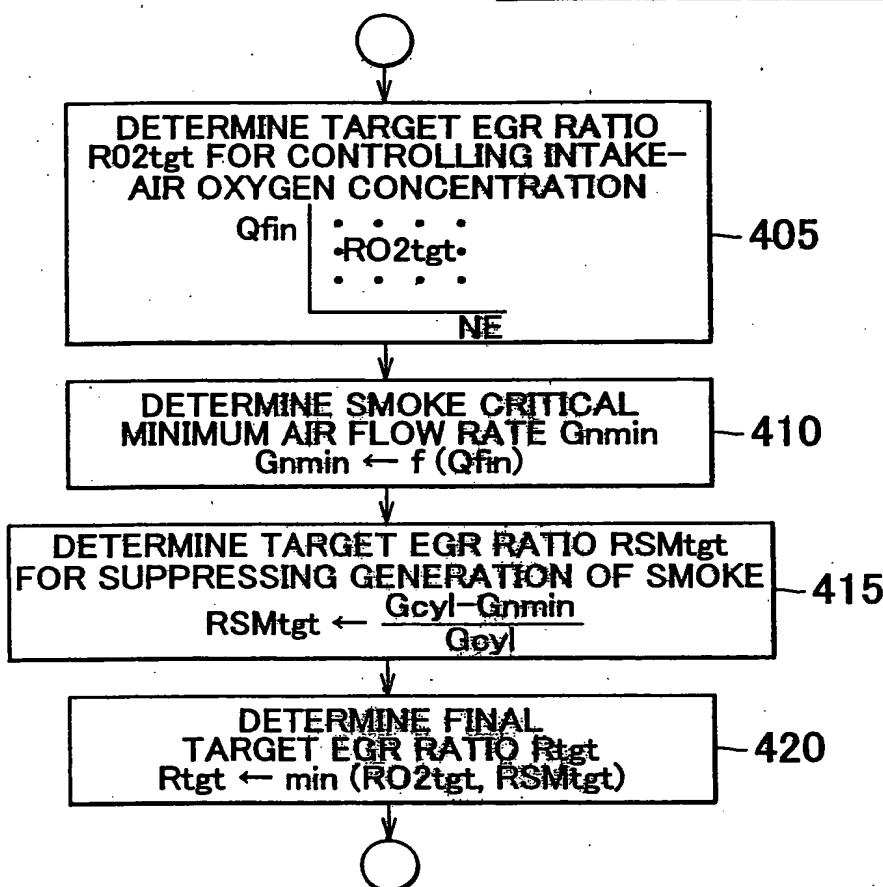


10/523640

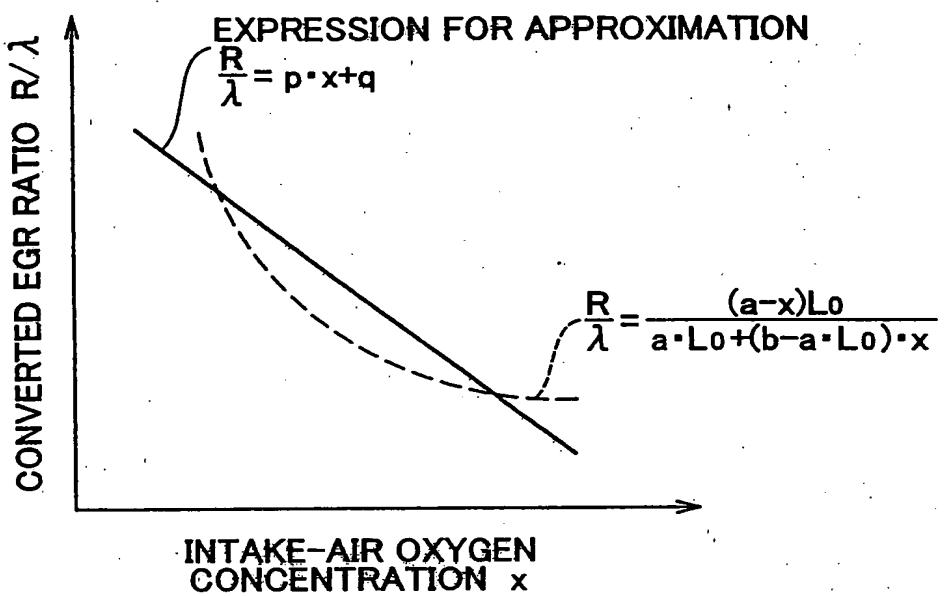
415

## FIG. 4

SUBSTITUTE FOR STEPS 215 AND 315



## FIG. 5



- $R$  ... EGR RATIO
- $\lambda$  ... AIR EXCESSIVENESS RATIO
- $R/\lambda$  ... CONVERTED EGR RATIO
- $x$  ... INTAKE-AIR OXYGEN CONCENTRATION
- $L_0$  ... THEORETICAL AIR AMOUNT PER UNIT FUEL AMOUNT ( $Nm^3/kg$ )
- $a$  ... OXYGEN CONCENTRATION IN ATMOSPHERE
- $b$  ... PRODUCTION AMOUNT OF  $CO_2$  AND  $H_2O$  PER UNIT FUEL AMOUNT ( $Nm^3/kg$ )
- $p, q$  ... CONSTANTS